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(57) Abstract :

A handheld hot utensil holding device, comprising two telescopic plates 1 hinged together by means of a motorized hinge joint 2, distal portions of the plates 1 are hinged with a pair of curved flaps 3 through via a hub motor to grip a utensil, a handle 5 assembled with the motorized hinge joint 2 for providing a grip to hold the device, a flat insulated member 8 to prevent user's hands from burning through hot steam being released from the utensil, an imaging unit 6 to determine the shape and size of utensil, an inductive sensor 4 to determine the material type of the utensil, a slider integrated with a flexible rubber member 7 in order to ensure proper gripping, a pressure sensor for determining gripping pressure with which the handle 5 is held by the user, an alert module 9 actuates to generate an alert.

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